



WHAT IS CEEQUAL?

CEEQUAL is the evidence-based sustainability Assessment and Awards Scheme for civil engineering.

With a very broad view of 'civil engineering' in covering all infrastructure for modern life, landscaping and the public realm, CEEQUAL has the longest track record of sustainability rating systems for such work.



Sunderland Strategic Transport Corridor – New Wear Crossing over the River Wear.

The Scheme celebrates the commitment of the civil engineering industry in achieving – and demonstrating – high environmental quality, economic and social performance. CEEQUAL is available in three forms:

- CEEQUAL for UK & Ireland Projects
- CEEQUAL for International Projects
- CEEQUAL for Term Contracts.

CEEQUAL rewards project and contract teams in which clients, designers and contractors go beyond the legal and environmental minima to achieve distinctive environmental and social performance in their work.



The first CEEQUAL Outstanding Achievement Awards were made on 14 March 2011 at the ICE. Here the Olympic Delivery Authority Team receive their Award for outstanding achievement in project management.

HOW DOES IT WORK?

The Scheme is evidence-based and externally verified, and rigorously assesses performance across a wide range of questions on strategy, management, and environmental and social concern.

It provides a sustainability rating system for project and contract teams. Using extensive industry experience, the Scheme has been weighted to reflect both the contribution of performance in each section of a CEEQUAL Assessment to overall performance, and weighted to reflect the relative importance of the questions within their section (see page 3).

*“CEEQUAL is a way of demonstrating what sustainability actually means.” - Paul De Jong
Safety & Sustainability Manager | National Grid*

Questions in the Assessment are scoped-out where the issues they cover are irrelevant to a particular project.

A CEEQUAL score indicates how far a project is between minimum legal compliance and pinnacle best practice. The Award thresholds, based on the maximum possible score for the project or contract, are:

- ✓ more than 25% - Pass
- ✓ more than 40% - Good
- ✓ more than 60% - Very Good
- ✓ more than 75% - Excellent.

It is not possible to achieve a 100% score due to conflicting issues in the Assessment.

CEEQUAL FOR PROJECTS

Available in two forms:

- CEEQUAL for UK & Ireland Projects
- CEEQUAL for International Projects.

The CEEQUAL Project Assessment process is applicable to all types of civil engineering, infrastructure, landscaping and public realm projects, including the infrastructure associated with building developments, whether the project is located in the UK & Ireland or anywhere else in the world.

For Projects, five types of Award are available:

- **Whole Team Award (WTA)** – the normal Award, applied for jointly by the client, designer and principal contractor(s)
- **Client & Design Award** – for a joint application by the client and designer
- **Design Award** – only for principal designers
- **Design & Construction Award** – for a joint application by the contractor and the designer
- **Construction Award** – only for principal contractors.

In addition, the Client & (Outline) Design Award is available as an integrated **Interim Client & Design Award** en route to a Whole Team Award (WTA plus Client & Design as an Interim Award).



Castleford footbridge - £4.8million landmark structure, is the final and most ambitious of 11 schemes that form 'The Castleford Project', a groundbreaking urban renewal scheme that aims to spark regeneration and a new confidence in this former coal-mining town.

CEEQUAL FOR TERM CONTRACTS

CEEQUAL for Term Contracts has been specifically created for the assessment of civil engineering and public realm works that are undertaken through contracts over a number of years and in a geographical or operational area.



Telecommunications installation by Skanska for Network Rail

Example contracts may include highway, rail or sewer maintenance, regular interventions in rivers or drainage channels to maintain channel capacity, and a series of minor new works such as road junction remodelling, track renewals and minor realignments, all undertaken through what we call 'term contracts'.

With multiple works orders for the individual jobs within the contract, not only is the nature of the work often different from projects, but its procurement and management are also normally different.

For Term Contracts, just **one type of Award is available to recognise the achievement of the whole contract team**, with Awards in the first and last years of the contract and at least every other year in between.

TRANSITION TO SUSTAINABILITY

Version 5 is the latest version of the CEEQUAL Methodology and completes CEEQUAL's transition from environmental assessment and awards to a sustainability assessment and awards scheme.

Both Assessment Manuals for Projects have been reviewed, revised and updated by CEEQUAL's panel of experts to reflect current industry best practice.

Version 4 continues in use on existing Assessments and new Assessments can apply to use it up to October 2012.

VERSION 5 PROJECTS MANUAL SECTIONS

Below are the revised sections with example issues assessed in the Manual:

1. **NEW Project Strategy - OPTIONAL**

Sustainable development & pathway to sustainable living | Economic, social & environmental impacts and benefits | Resource strategy | Construction management strategy

2. **Project Management**

Environmental management systems | Training | Environmental performance | Procurement

3. **People and Communities**

Effects on neighbours, users & the workforce | Relations with the local community & other stakeholders



Construction team installing a gantry at night to avoid public disruption on the Birmingham Box Managed Motorways project.



Glenkerie wind farm located on the Scottish Borders. Estimated to prevent the emission of up to 66,000 tonnes of carbon dioxide per year and generate the equivalent of the average annual electricity use of around 16,000 households.

4. **Land use and Landscape**

Contaminated land | Flood risk | Use of land & seabed | Landscape issues

5. **Historic Environment**

Baseline study of area | Planning guidance | Conservation & enhancement | Public information & access

6. **Ecology and Biodiversity**

Biodiversity conservation & enhancement | Habitat creation | Monitoring & maintenance

7. **Water Environment (fresh & marine)**

Protection of ground & surface water | Marine environment | Enhancement

8. **Physical Resources**

Embodied impacts & life-cycle analysis | Material choice & sourcing | Energy & carbon | Waste management & minimisation | Water resources | Recycling | Future de-construction

9. **Transport**

Operational transport | Construction transport | Minimising nuisance & disruption | Workforce travel.

Other main Version 5 upgrades include: making it much easier to apply CEEQUAL to marine and offshore projects; and it is seeking to ease the Assessment process by improving the consistency of how questions on related topics are asked, and how questions and guidance are presented.

Download all the Manuals from: www.ceequal.com/downloads.html. Upgrading Term contracts to Version 5 will start later in 2012.

'PROJECT STRATEGY' SECTION IN DEPTH

The new 'Project Strategy' Section has been developed to enable CEEQUAL to widen the scope of the Assessment beyond whether project teams are performing well from a sustainability perspective to whether a project contributes (or will contribute) to moving society on a pathway towards more-sustainable living.

The new Section provides project teams with questions that encourage them to consider wider aspects of sustainability, that prompt analyses and processes that will lead to better projects. This is achieved through questions that assess implementation of the core principles of sustainability in design and construction.



This section includes specific questions on issues such as:

- adoption of sustainable development principles;
- economic, social and environmental impacts undertaken on a wider scope than just the project owner's interest;
- coping with the predicted effects of climate change and/or helping society to cope with those predicted changes;
- resource strategy, including energy;
- whether, overall, the project delivers to the community it serves the ability to move forward on a pathway to more-sustainable living.

In Version 5, use of the new Section is optional. If users include this section, the CEEQUAL Assessment will lead to a sustainable project award; confining your Assessment to the other eight sections of CEEQUAL will lead to a sustainability performance award.

BENEFITS OF A CEEQUAL AWARD

Participants in CEEQUAL Assessments report a range of benefits from using CEEQUAL as a driver for improvement and having their project or contract assessed. These include:

- **Reputation-building and good PR** – including delivery of the participants' environmental, sustainability and/or corporate social responsibility policies
- **Improvements to projects and maintenance work, and implementation of best practice** – ranging from whole-life costing, waste minimisation, resource efficiency (materials, water, energy), to reducing complaints and environmental incidents
- **Demonstrating commitment to the environmental agenda** – to clients, within the team and the organisations involved, and to the industry as a whole
- **Enhanced team spirit** – developing a positive "we must score well here" attitude and rewarding project or contract teams that have 'gone the extra mile'
- **Cost savings** – projects have reported cost savings through the use of the CEEQUAL Scheme. One project team reported their project cost 3.3% (£5 million) less than originally planned due in part to the use of CEEQUAL.

Visit www.ceequal.com for project case studies.

CONTACT US FOR MORE INFORMATION ABOUT...

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